



December 13, 2018

Kevin O'Neill
Kiawah River Investment, LLC
211 King Street
Suite 300
Charleston, SC 29401

RE: Temporary Lagoon Storage - Approval
Kiawah River Plantation WWTP (ND0088897)
Charleston County

Dear Mr. O'Neill:

This letter is in reference to the Basis of Design Report submitted by Thomas and Hutton under the signature of Mark Yodice, P.E. (No. 13293) dated June 2018 and Addendum 01 dated August 2018 on behalf of Kiawah River Utility Company for the temporary storage of raw wastewater in the existing effluent storage lagoon with temporary aeration equipment during the initial WWTP start-up.

As described in the report, the WWTP will not operate properly until enough homes are occupied to generate a wastewater flow of four thousand (4,000) gallons per day. Therefore, the purpose for initially storing wastewater in the lagoon is to provide an alternative to pump and haul in the interim until the minimum required flow is reached. Based on the information submitted this request is approved with the following conditions:

1. Operation of the temporary aeration system must be in accordance with the conditions described by Air Diffusion Systems in the submittal provided by Thomas and Hutton under the stamp and signature of Mark Yodice, P.E. (No. 13293)
2. The wastewater stored in the lagoon must be continuously aerated to maintain a minimum dissolved oxygen (DO) concentration of 2 mg/l. DO shall be monitored in the lagoon at least once per week and monitoring records maintained until this approval expires.
3. If the wastewater in the effluent storage lagoon reaches a water depth of five (5) feet prior to achieving the minimum wastewater flow of four thousand (4,000) gallons per day, then

a pump and haul request must be submitted to the Department for disposal of wastewater at another facility.

4. The SCDHEC Low Country BEHS Charleston Office must be notified prior to removing any wastewater from the lagoon. The Charleston Office must also be notified once the lagoon has been completely drained and liner cleaned. Site inspections are required during these phases of the project. Inspections should be coordinated with Stephanie White at the Charleston Office. The office telephone number is (843) 953-0150.
5. This activity and conditional approval may be rescinded or modified by the Department if necessary.

This approval is for the temporary storage of wastewater in the existing effluent storage lagoon, and is not an approval to operate the WWTP. This approval is effective immediately (as of the date of this letter). This temporary approval for the Kiawah River Plantation WWTP will expire on June 30, 2019. If you have any questions, please contact Andrew Edwards of my staff at edwardaj@dhec.sc.gov or at (803) 898-1271.

Sincerely,



Kyle Maurer Sr, PhD, PE, Manager
Domestic Wastewater Permitting Section
Water Facilities Permitting Division

cc: Shawn Clarke, PE, Director, Water Facilities Permitting Division
Adam Cannon, Manager, Water Pollution Enforcement Section
Stephanie White, Low Country BEHS Charleston
Mark Yodice, PE, Thomas and Hutton
Lindy Cummins, PE, Thomas and Hutton



WASTEWATER

PARTIAL APPROVAL TO PLACE INTO OPERATION

ISSUED TO: KIAWAH RIVER UTILITY COMPANY
211 KING ST
STE 300
CHARLESTON, SC 29401-3190

for the operation of a wastewater treatment/collection system permitted under construction permit 39296-WW, dated January 13, 2016, as described below

PROJECT NAME: KIAWAH RIVER PLANTATION WASTEWATER TREATMENT PLANT

COUNTY: Charleston

PROJECT DESCRIPTION: Operation of effluent storage lagoon with temporary aeration equipment for storage of raw wastewater. Raw wastewater will not be discharged to the land application system.

PERMITTED FLOW: 0 gallons per day


WWTP: KIAWAH RIVER PLANTATION WWTP (ND0088897)

SPECIAL CONDITIONS: This Partial Approval to Place into Operation is issued under the condition that the remainder of the project must be completed prior to the expiration date indicated on the construction permit issued by the Department for the construction permit to remain valid.

1. Per the special conditions stated in the temporary lagoon storage approval letter from SCDHEC dated December 13, 2018, the following conditions apply:
 - a. Operation of the temporary aeration system must be in accordance with the conditions described by Air Diffusion Systems in the submittal provided by Thomas and Hutton under the stamp and signature of Mark Yodice, P.E. (No. 13293).
 - b. The wastewater stored in the lagoon must be continuously aerated to maintain a minimum dissolved oxygen (DO) concentration of 2 mg/l. DO shall be monitored in the lagoon at least once per week and monitoring records maintained until this approval expires (June 30, 2019).
 - c. If the wastewater in the effluent storage lagoon reaches a water depth of five (5) feet prior to achieving the minimum wastewater flow of four thousand (4,000) gallons per day, then a pump and haul request must be submitted to the Department for disposal of the wastewater at another facility.
 - d. The SCDHEC Low Country BEHS Charleston office must be notified prior to removing any wastewater from the lagoon. The Charleston office must also be notified once the lagoon has been completely drained and liner cleaned.

- e. Site inspections are required during these phases of the project. Inspections should be coordinated with Stephanie White at the Charleston office. The office telephone number is (843) 953-0150.
- f. This activity and conditional approval may be rescinded or modified by the Department if necessary.
- 2. This facility will be required to have an operator who has been certified by the Environmental Certification Board of the South Carolina Department of Labor, Licensing and Regulation. This facility has been classified as Group III – Biological, necessitating an operator holding at least a Grade B certificate.
- 3. The facility shall be secured (e.g., fenced) to prevent access by unauthorized persons.

This approval is based on the Engineer's letter of certification signed by Mark Yodice, P.E., South Carolina Registration No. 13293.


Stephanie L. White, Regional Engineering
Associate
Low Country Region BEHS Charleston

DATE ISSUED: April 17, 2019

cc: Bureau of Water Permitting File
Mark Yodice, P.E., Thomas & Hutton, via email
Kevin O'Neill, Kiawah River Utility Company, via email



June 12, 2019

Kevin O'Neill
Kiawah River Utility Company
211 King Street
Suite 300
Charleston, SC 29401

RE: Temporary Lagoon Storage – Approval – Extension
Kiawah River Plantation WWTP (ND0088897)
Charleston County

Dear Mr. O'Neill:

The Department was recently notified by Thomas and Hutton that four homes have been constructed but are not yet occupied. It is clear that the minimum wastewater flow of four thousand (4,000) gallons per day required to operate the WWTP will not be achieved prior to June 30, 2019. Therefore, this letter will serve as an extension to the original approval for temporary storage of wastewater in the existing lagoon, which the Department granted on December 13, 2018.

The conditions and requirements set forth in the original approval shall remain in effect until this approval expires. With this extension, the temporary approval for the Kiawah River Plantation WWTP will expire on June 30, 2020. If you have any questions, please contact Andrew Edwards of my staff at edwardaj@dhec.sc.gov or at (803) 898-1271.

Sincerely,

A handwritten signature in black ink, appearing to read 'Brenda Green', is written over a horizontal line.

Brenda Green, Manager
Domestic Wastewater Permitting Section
Water Facilities Permitting Division

cc: Shawn Clarke, PE, Director, Water Facilities Permitting Division
Adam Cannon, Manager, Water Pollution Enforcement Section
Stephanie White, Low Country BEHS Charleston
Mark Yodice, PE, Thomas and Hutton
Lindy Cummins, PE, Thomas and Hutton